SEQUENCE LISTING

<110> Keith, Jr., James C.
       McCoy, John M.
       Mi, Sha

<120> Methods and compositions for diagnosing
   and treating preeclampsia and gestational trophoblast
   disorders

<130> GIN-6006B4

<150> 60/216,657
<151> 2000-07-06

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gaggaaagta actaaaatca taaatcccc atg gcc ctc cct tat cat att ttt 953
                                  Met Ala Leu Pro Tyr His Ile Phe
                                   1               5

ctc ttt act gtt ctt tta ccc tct ttc act ctc act gca ccc cct cca   1001
Leu Phe Thr Val Leu Leu Pro Ser Phe Thr Leu Thr Ala Pro Pro Pro
     10                  15                  20

tgc cgc tgt atg acc agt agc tcc cct tac caa gag ttt cta tgg aga   1049
Cys Arg Cys Met Thr Ser Ser Ser Pro Tyr Gln Glu Phe Leu Trp Arg
25                  30                  35                  40

atg cag cgt ccc gga aat att gat gcc cca tcg tat agg agt ctt tct   1097
Met Gln Arg Pro Gly Asn Ile Asp Ala Pro Ser Tyr Arg Ser Leu Ser
                 45                  50                  55

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aag gga acc ccc acc ttc act gcc cac acc cat atg ccc cgc aac tgc    1145
Lys Gly Thr Pro Thr Phe Thr Ala His Thr His Met Pro Arg Asn Cys
            60                  65                  70

tat cac tct gcc act ctt tgc atg cat gca aat act cat tat tgg aca    1193
Tyr His Ser Ala Thr Leu Cys Met His Ala Asn Thr His Tyr Trp Thr
            75                  80                  85

gga aaa atg att aat cct agt tgt cct gga gga ctt gga gtc act gtc    1241
Gly Lys Met Ile Asn Pro Ser Cys Pro Gly Gly Leu Gly Val Thr Val
            90                  95                  100

tgt tgg act tac ttc acc caa act ggt atg tct gat ggg ggt gga gtt    1289
Cys Trp Thr Tyr Phe Thr Gln Thr Gly Met Ser Asp Gly Gly Gly Val
105                 110                 115                 120

caa gat cag gca aga gaa aaa cat gta aaa gaa gta atc tcc caa ctc    1337
Gln Asp Gln Ala Arg Glu Lys His Val Lys Glu Val Ile Ser Gln Leu
                125                 130                 135

acc cgg gta cat ggc acc tct agc ccc tac aaa gga cta gat ctc tca    1385
Thr Arg Val His Gly Thr Ser Ser Pro Tyr Lys Gly Leu Asp Leu Ser
                140                 145                 150

aaa cta cat gaa acc ctc cgt acc cat act cgc ctg gta agc cta ttt    1433
Lys Leu His Glu Thr Leu Arg Thr His Thr Arg Leu Val Ser Leu Phe
            155                 160                 165

aat acc acc ctc act ggg ctc cat gag gtc tcg gcc caa aac cct act    1481
Asn Thr Thr Leu Thr Gly Leu His Glu Val Ser Ala Gln Asn Pro Thr
            170                 175                 180

aac tgt tgg ata tgc ctc ccc ctg aac ttc agg cca tat gtt tca atc    1529
Asn Cys Trp Ile Cys Leu Pro Leu Asn Phe Arg Pro Tyr Val Ser Ile
185                 190                 195                 200

cct gta cct gaa caa tgg aac aac ttc agc aca gaa ata aac acc act    1577
Pro Val Pro Glu Gln Trp Asn Asn Phe Ser Thr Glu Ile Asn Thr Thr
                205                 210                 215

tcc gtt tta gta gga cct ctt gtt tcc aat ctg gaa ata acc cat acc    1625
Ser Val Leu Val Gly Pro Leu Val Ser Asn Leu Glu Ile Thr His Thr
                220                 225                 230

tca aac ctc acc tgt gta aaa ttt agc aat act aca tac aca acc aac    1673
Ser Asn Leu Thr Cys Val Lys Phe Ser Asn Thr Thr Tyr Thr Thr Asn
            235                 240                 245

tcc caa tgc atc agg tgg gta act cct ccc aca caa ata gtc tgc cta    1721
Ser Gln Cys Ile Arg Trp Val Thr Pro Pro Thr Gln Ile Val Cys Leu
            250                 255                 260

ccc tca gga ata ttt ttt gtc tgt ggt acc tca gcc tat cgt tgt ttg    1769
Pro Ser Gly Ile Phe Phe Val Cys Gly Thr Ser Ala Tyr Arg Cys Leu
265                 270                 275                 280

aat ggc tct tca gaa tct atg tgc ttc ctc tca ttc tta gtg ccc cct    1817
Asn Gly Ser Ser Glu Ser Met Cys Phe Leu Ser Phe Leu Val Pro Pro
                285                 290                 295
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atg acc atc tac act gaa caa gat tta tac aat tat gtc ata tct aag      1865
Met Thr Ile Tyr Thr Glu Gln Asp Leu Tyr Asn Tyr Val Ile Ser Lys
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ccc cgc aac aaa aga gta ccc att ctt cct ttt gtt ata gga gca gga      1913
Pro Arg Asn Lys Arg Val Pro Ile Leu Pro Phe Val Ile Gly Ala Gly
            315             320             325

gtg cta ggt gca cta ggt act ggc att ggc ggt atc aca acc tct act      1961
Val Leu Gly Ala Leu Gly Thr Gly Ile Gly Gly Ile Thr Thr Ser Thr
            330             335             340

cag ttc tac tac aaa cta tct caa gaa cta aat ggg gac atg gaa cgg      2009
Gln Phe Tyr Tyr Lys Leu Ser Gln Glu Leu Asn Gly Asp Met Glu Arg
345             350             355             360

gtc gcc gac tcc ctg gtc acc ttg caa gat caa ctt aac tcc cta gca      2057
Val Ala Asp Ser Leu Val Thr Leu Gln Asp Gln Leu Asn Ser Leu Ala
            365             370             375

gca gta gtc ctt caa aat cga aga gct tta gac ttg cta acc gct gaa      2105
Ala Val Val Leu Gln Asn Arg Arg Ala Leu Asp Leu Leu Thr Ala Glu
            380             385             390

aga ggg gga acc tgt tta ttt tta ggg gaa gaa tgc tgt tat tat gtt      2153
Arg Gly Gly Thr Cys Leu Phe Leu Gly Glu Glu Cys Cys Tyr Tyr Val
            395             400             405

aat caa tcc gga atc gtc act gag aaa gtt aaa gaa att cga gat cga      2201
Asn Gln Ser Gly Ile Val Thr Glu Lys Val Lys Glu Ile Arg Asp Arg
            410             415             420

ata caa cgt aga gca gag gag ctt cga aac act gga ccc tgg ggc ctc      2249
Ile Gln Arg Arg Ala Glu Glu Leu Arg Asn Thr Gly Pro Trp Gly Leu
425             430             435             440

ctc agc caa tgg atg ccc tgg att ctc ccc ttc tta gga cct cta gca      2297
Leu Ser Gln Trp Met Pro Trp Ile Leu Pro Phe Leu Gly Pro Leu Ala
            445             450             455

gct ata ata ttg cta ctc ctc ttt gga ccc tgt atc ttt aac ctc ctt      2345
Ala Ile Ile Leu Leu Leu Leu Phe Gly Pro Cys Ile Phe Asn Leu Leu
            460             465             470

gtt aac ttt gtc tct tcc aga atc gaa gct gta aaa cta caa atg gag      2393
Val Asn Phe Val Ser Ser Arg Ile Glu Ala Val Lys Leu Gln Met Glu
            475             480             485

ccc aag atg cag tcc aag act aag atc tac cgc aga ccc ctg gac cgg      2441
Pro Lys Met Gln Ser Lys Thr Lys Ile Tyr Arg Arg Pro Leu Asp Arg
            490             495             500

cct gct agc cca cga tct gat gtt aat gac atc aaa ggc acc cct cct      2489
Pro Ala Ser Pro Arg Ser Asp Val Asn Asp Ile Lys Gly Thr Pro Pro
505             510             515             520

gag gaa atc tca gct gca caa cct cta cta cgc ccc aat tca gca gga      2537
Glu Glu Ile Ser Ala Ala Gln Pro Leu Leu Arg Pro Asn Ser Ala Gly
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Ser Ser  *
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aacccaagtc ttcgagccgg caacggcaac ccccttgggg tcccctccct ttgtatggga 2886
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Pro Tyr Gln Glu Phe Leu Trp Arg Met Gln Arg Pro Gly Asn Ile Asp
          35                  40                  45
Ala Pro Ser Tyr Arg Ser Leu Ser Lys Gly Thr Pro Thr Phe Thr Ala
      50                  55                  60
His Thr His Met Pro Arg Asn Cys Tyr His Ser Ala Thr Leu Cys Met
65                  70                  75                  80
His Ala Asn Thr His Tyr Trp Thr Gly Lys Met Ile Asn Pro Ser Cys
                  85                  90                  95
Pro Gly Gly Leu Gly Val Thr Val Cys Trp Thr Tyr Phe Thr Gln Thr
              100                 105                 110
Gly Met Ser Asp Gly Gly Gly Val Gln Asp Gln Ala Arg Glu Lys His
          115                 120                 125
Val Lys Glu Val Ile Ser Gln Leu Thr Arg Val His Gly Thr Ser Ser
      130                 135                 140
Pro Tyr Lys Gly Leu Asp Leu Ser Lys Leu His Glu Thr Leu Arg Thr
145                 150                 155                 160
His Thr Arg Leu Val Ser Leu Phe Asn Thr Thr Leu Thr Gly Leu His
                  165                 170                 175
Glu Val Ser Ala Gln Asn Pro Thr Asn Cys Trp Ile Cys Leu Pro Leu
              180                 185                 190
Asn Phe Arg Pro Tyr Val Ser Ile Pro Val Pro Glu Gln Trp Asn Asn
          195                 200                 205
Phe Ser Thr Glu Ile Asn Thr Thr Ser Val Leu Val Gly Pro Leu Val
      210                 215                 220
Ser Asn Leu Glu Ile Thr His Thr Ser Asn Leu Thr Cys Val Lys Phe
225                 230                 235                 240
Ser Asn Thr Thr Tyr Thr Thr Asn Ser Gln Cys Ile Arg Trp Val Thr
                  245                 250                 255
Pro Pro Thr Gln Ile Val Cys Leu Pro Ser Gly Ile Phe Phe Val Cys
              260                 265                 270
Gly Thr Ser Ala Tyr Arg Cys Leu Asn Gly Ser Ser Glu Ser Met Cys
          275                 280                 285
Phe Leu Ser Phe Leu Val Pro Pro Met Thr Ile Tyr Thr Glu Gln Asp
      290                 295                 300
Leu Tyr Asn Tyr Val Ile Ser Lys Pro Arg Asn Lys Arg Val Pro Ile
305                 310                 315                 320
Leu Pro Phe Val Ile Gly Ala Gly Val Leu Gly Ala Leu Gly Thr Gly
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Ile Gly Gly Ile Thr Thr Ser Thr Gln Phe Tyr Tyr Lys Leu Ser Gln
              340                 345                 350
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Glu Leu Asn Gly Asp Met Glu Arg Val Ala Asp Ser Leu Val Thr Leu
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Gln Asp Gln Leu Asn Ser Leu Ala Ala Val Val Leu Gln Asn Arg Arg
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Ala Leu Asp Leu Leu Thr Ala Glu Arg Gly Gly Thr Cys Leu Phe Leu
385                 390                 395                 400
Gly Glu Glu Cys Cys Tyr Tyr Val Asn Gln Ser Gly Ile Val Thr Glu
                405                 410                 415
Lys Val Lys Glu Ile Arg Asp Arg Ile Gln Arg Arg Ala Glu Glu Leu
                420                 425                 430
Arg Asn Thr Gly Pro Trp Gly Leu Leu Ser Gln Trp Met Pro Trp Ile
        435                 440                 445
Leu Pro Phe Leu Gly Pro Leu Ala Ala Ile Ile Leu Leu Leu Leu Phe
        450                 455                 460
Gly Pro Cys Ile Phe Asn Leu Leu Val Asn Phe Val Ser Ser Arg Ile
465                 470                 475                 480
Glu Ala Val Lys Leu Gln Met Glu Pro Lys Met Gln Ser Lys Thr Lys
                485                 490                 495
Ile Tyr Arg Arg Pro Leu Asp Arg Pro Ala Ser Pro Arg Ser Asp Val
                500                 505                 510
Asn Asp Ile Lys Gly Thr Pro Pro Glu Glu Ile Ser Ala Ala Gln Pro
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Leu Leu Arg Pro Asn Ser Ala Gly Ser Ser
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